

Appendix A: Supplemental Environmental Project

Huber Engineered Woods LLC

Name of Project:

Prestile Stream Water Quality Improvement Project: subwatershed focus Williams Brook

Project implementer:

Linda Alverson, Executive Director
Central Aroostook Soil & Water Conservation District
735 Main Street
Presque Isle, ME 04769
207-764-4153 ext 3
linda.alverson@me.nacdnet.net

Geographic area to benefit the project:

Williams Brook Watershed is a subwatershed in the Prestile Stream Watershed with an area of 3,954 acres. It is located within the boundaries of the City of Presque Isle in Aroostook County, Maine. It runs in a southeasterly direction, between U.S. Route 1 and U.S. Route 1A, draining into Prestile Stream near the southern border of the City of Presque Isle. The approximately 133,000 acre Prestile Stream Watershed is listed as a watershed of highest priority on the Maine Department of Environmental Protection's Nonpoint Source Watershed Priority List and has an approved Total Maximum Daily Load report. The Department also funded a Watershed-based Management Plan for the Prestile Stream Watershed which was completed in 2009.

Enforcement action:

This Supplemental Environmental Project (SEP) is being funded as an element of the Administrative Consent Agreement negotiated between the Department and Huber Engineered Woods LLC pursuant to the provisions of 38 M.R.S.A. § 349(2-A).

Type of project:

This will be an environmental enhancement project pursuant to 38 M.R.S.A. § 349(2-A)(A)(3). The focus of this study is to identify sources of Non Point Source (NPS) pollution in the sub watershed of Webster Brook, a tributary to the Prestile Stream.

Project description:

The Central Aroostook Soil and Water Conservation District (CASWCD) will manage this project.

Appendix A: Supplemental Environmental Project

Prestile Stream Water Quality Improvement Project: subwatershed focus Williams Brook

Page 2 of 5

Storm Watcher Survey: A Storm Watcher Survey will target sedimentation to waters in the Prestile Stream watershed that occur during rain storm events and winter/spring snow thaws. Sedimentation will be measured as turbidity at designated bridge and culvert crossings in the watershed. CASWCD with the help of the contractor, will visit, map and evaluate potential sampling sites for the Storm Watcher Survey. We anticipate that 20 sites will cover the main stream of Prestile and its major tributaries.

CASWCD will recruit volunteers for the Storm Watcher Survey from the Steering Committee and residents residing proximal to sampling sites. Volunteers will be asked to commit to one year of sampling. CASWCD and the Department's Volunteer River Monitoring Program (MVRMP) personnel will train the volunteers. Storm Watcher volunteers will collect samples for turbidity measurement during or shortly after storm events of 1 inch of rain or more in a 24 hour period. Sampling will also be attempted in winter during ground exposing thaws and when sampling sites are ice free. Each volunteer will be provided a simple rain gauge to measure rainfall in the portion of the watershed where their sampling site is located. Turbidity sampling will be complimented by the Department's efforts to collect temperature and dissolved oxygen at some of the Storm Watcher sites. CASWCD will be responsible for arranging collection of samples and measuring for turbidity. Turbidity sampling will follow protocols outlined in the MVRMP Standard Operating Procedure for Water Grab Samples. Equipment used to obtain grab samples and measuring turbidity will be determined as part of an initial MVRMP Sampling and Analysis Plan. This plan will be prepared during the fall of 2009. Quality control will consist of duplicate sampling of 10% of the samples and submitting samples to a certified lab for total suspended solids analysis. The CASWCD will compile the data and prepare a report for the review of the steering committee. The report will include an analysis of the sampling and a prioritization of future "non-point source" work in the watershed. CASWCD will present the report to municipalities, Citizen Storm Watchers, landowners and the steering committee. The CASWCD will encourage the Storm Watcher group to continue to be active in the watershed by forming a Stream Team guided by a MVRMP Sampling and Analysis Plan for Prestile Stream and its tributaries.

Williams Brook Watershed Survey: The survey will be performed using guidelines outlined in the Department's publication, "Stream Survey Manual Volume I: A Citizen's Guide to Basic Watershed, Habitat and Geomorphology Surveys in Stream & River Watersheds." Natural resource professionals from USDA-NRCS, St. John Aroostook RC&D, Maine Forest Service, the Department and CASWCD will train the contractor and students from University of Maine-Presque Isle's environmental studies class who will assist performing the survey. Surveyors will assess the watershed for possible NPS pollution sources, rate NPS sites according to relative importance, and recommend Best Management Practices (BMPs) for fixing each site. The assessments will be accomplished by on-site inspection of all potential problem areas with access granted by the affected landowner. CASWCD will provide field training to all surveyors and students to ensure standardization of assessments. Students will be accompanied by a natural resource professional during the survey. The survey will be performed in the spring of 2010 after snow melt and before fields are plowed or planted. Survey

Appendix A: Supplemental Environmental Project

Prestile Stream Water Quality Improvement Project: subwatershed focus Williams Brook

Page 3 of 5

observations, recommended BMPs, and potential cost-share sources will be presented to individual watershed landowners. A final copy of both the Storm Watcher report and the Williams Brook Watershed Survey will be given to each of the following: the City of Presque Isle, the Presque Isle USDA-NRCS Field Office, Maine Forest Service, members of the Steering Committee, Maine Department of Inland Fisheries and Wildlife, and the Maine Department of Environmental Protection, local Williams Brook watershed landowners and volunteer Storm Watchers.

Existing Regulatory Requirements:

This project is not required by any enforcement action nor is it required to have State or Federal permits. Consultation with staff from the Department has resulted in state and federal resources will be used to remove or mitigate the NPS impacts to Webster Brook and the Prestile Stream.

Total Project Budget: \$29,104 (Total); \$3,600 (SEP)

This project has been partially funded by an US-EPA grant under Section 319 of the Clean Water Act. The following table lists each task of the project, the costs and sources of funding, including how the Supplemental Environmental funds will be used.

Item	Total Cost	Source
Project Management and reports for Supplemental Environmental Project	\$871	\$818 - 319 Project #2010RT17 \$53 Supplemental Environmental Project
Reactivate Prestile Steering Committee	\$3028	\$544- 319 #2010RT17 \$500 Supplemental Environmental Project \$ 1984 Volunteers
Quality Assurance for Stormwatcher Program	\$2040	\$1250 - 319 Project #2010RT17 \$ 790 - Supplemental Environmental Project
Stormwatcher Volunteers: outreach, training and meetings	\$14094	\$2349 - 319 #2010RT17 \$1015 - Supplemental Environmental Project \$ 10730 Volunteers
NPS Williams Brook Watershed Survey and Final Report	\$ 5499	\$2400 - 319 Project #2010RT17 \$1085 – Supplemental Environmental Project \$2014 Volunteers
Stormwatcher Survey Report	\$3572	\$ 3415 319 Project #2010RT17 \$ 157 Supplemental Environmental Project
<u>Total project budget:</u>	\$29,104	\$10776 -319 Project #2010RT17 \$3600 - Supplemental Environmental Project \$14728 - Volunteers

Appendix A: Supplemental Environmental Project

Prestile Stream Water Quality Improvement Project: subwatershed focus Williams Brook

Page 4 of 5

Project schedule:

Task	Responsible	Due Date
VRMP-Sap for Prestile Stream	Linda Alverson	Feb 28, 2009
Activate Prestile Stream Steering Committee	Contracted Personnel	April 30, 2009
Recruit and train volunteer Storm Watchers	Contracted Personnel	April 30, 2009
William's Brook Watershed Survey NPS site identification	Contracted Personnel	May 7, 2009
Storm Watcher Progress Report	Contracted Personnel	May 30, 2010
First Draft Williams Brook Watershed Survey Report	Contracted Personnel	May 30, 2010

Expected project benefits:

The first purpose of this project is to continue our efforts to improve the water quality of the Prestile Stream Watershed by identifying, evaluating, and prioritizing nonpoint sources of pollution in the Williams Brook Subwatershed, then informing land owners of BMPs they can put into practice to help improve the watershed. As BMPs are installed, water quality in the watershed will improve. The second purpose is to prioritize Prestile Stream subwatersheds for future watershed surveys and engage the community in efforts to clean up the Prestile Stream Watershed by forming a Citizen Storm Watcher group.

Reporting:

Completion of a VRMP-Sap for Prestile Stream	February 28, 2010
Interim Stormwatcher progress report	May 30, 2010
Meeting reports for Prestile Stream Steering Committee	May 30, 2010
Williams Brook Watershed Survey first Draft of Report	May 30, 2010
Williams Brook Watershed Survey final Report	January 1, 2011

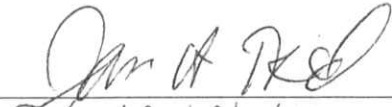
Appendix A: Supplemental Environmental Project

Prestile Stream Water Quality Improvement Project: subwatershed focus Williams Brook

Page 5 of 5


Certification:

Huber Engineered Woods LLC certifies that this proposed SEP project is not result of substantive planning that occurred prior to this enforcement action.

BY:  DATE: 10 Feb 2010
Title James A. Reed Plant Manager

Recipient Acknowledgment:

For and in consideration of the payments described herein the Central Aroostook Soil & Water Conservation District agrees to perform, or be responsible for obtaining performance of, the services, study, or projects described in this document pursuant to the terms set forth herein.

BY:  DATE: 2.1.2010
Title CHAIRPERSON
BOARD of Supervisors
CASWCD